

SEQUENCE LISTING

<110> CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)

<120> METHOD OF DIAGNOSIS OF OBESITY

<130> D20470

<150> EP 02 293 085

<151> 2002-12-13

<160> 15

<170> PatentIn Ver. 2.1

<210> 1

<211> 1758

<212> DNA

<213> Homo sapiens

<220>

<223> gad2 gene

<400> 1

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<210> 2

<211> 2382

<212> DNA

<213> Homo sapiens

<220>
<223> 5' flanking region of gad2 gene nucleotides

<220>
<223> R = G or A

<220>
<223> Y = T or C

<220>
<223> M = A or C

<220>
<223> W = A or T

<220>
<223> S = G or C

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<210> 3
<211> 519
<212> PRT
<213> Homo sapiens

<220>

<223> DNA-binding protein Ikaros (Lymphoid transcription factor LyF-1)

<400> 3

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Ser Pro Pro Val Ser Asp Thr Pro Asp Glu Gly Asp Glu Pro Met Pro
20 25 30

Ile Pro Glu Asp Leu Ser Thr Thr Ser Gly Gly Gln Gln Ser Ser Lys
35 40 45

Ser Asp Arg Val Val Ala Ser Asn Val Lys Val Glu Thr Gln Ser Asp
50 55 60

Glu Glu Asn Gly Arg Ala Cys Glu Met Asn Gly Glu Glu Cys Ala Glu
65 70 75 80

Asp Leu Arg Met Leu Asp Ala Ser Gly Glu Lys Met Asn Gly Ser His
85 90 95

Arg Asp Gln Gly Ser Ser Ala Leu Ser Gly Val Gly Gly Ile Arg Leu
100 105 110

Pro Asn Gly Lys Leu Lys Cys Asp Ile Cys Gly Ile Ile Cys Ile Gly
115 120 125

Pro Asn Val Leu Met Val His Lys Arg Ser His Thr Gly Glu Arg Pro
130 135 140

Phe Gln Cys Asn Gln Cys Gly Ala Ser Phe Thr Gln Lys Gly Asn Leu
145 150 155 160

Leu Arg His Ile Lys Leu His Ser Gly Glu Lys Pro Phe Lys Cys His
165 170 175

Leu Cys Asn Tyr Ala Cys Arg Arg Asp Ala Leu Thr Gly His Leu
180 185 190

Arg Thr His Ser Val Gly Lys Pro His Lys Cys Gly Tyr Cys Gly Arg
195 200 205

Ser Tyr Lys Gln Arg Ser Ser Leu Glu Glu His Lys Glu Arg Cys His
210 215 220

Asn Tyr Leu Glu Ser Met Gly Leu Pro Gly Thr Leu Tyr Pro Val Ile
225 230 235 240

Lys Glu Glu Thr Asn His Ser Glu Met Ala Glu Asp Leu Cys Lys Ile
245 250 255

Gly Ser Glu Arg Ser Leu Val Leu Asp Arg Leu Ala Ser Asn Val Ala
260 265 270

Lys Arg Lys Ser Ser Met Pro Gln Lys Phe Leu Gly Asp Lys Gly Leu
275 280 285

Ser Asp Thr Pro Tyr Asp Ser Ser Ala Ser Tyr Glu Lys Glu Asn Glu
290 295 300

Met Met Lys Ser His Val Met Asp Gln Ala Ile Asn Asn Ala Ile Asn
305 310 315 320

Tyr Leu Gly Ala Glu Ser Leu Arg Pro Leu Val Gln Thr Pro Pro Gly
325 330 335

Gly Ser Glu Val Val Pro Val Ile Ser Pro Met Tyr Gln Leu His Lys
340 345 350

Pro Leu Ala Glu Gly Thr Pro Arg Ser Asn His Ser Ala Gln Asp Ser
355 360 365

Ala Val Glu Asn Leu Leu Leu Ser Lys Ala Lys Leu Val Pro Ser
370 375 380

Glu Arg Glu Ala Ser Pro Ser Asn Ser Cys Gln Asp Ser Thr Asp Thr
385 390 395 400

Glu Ser Asn Asn Glu Glu Gln Arg Ser Gly Leu Ile Tyr Leu Thr Asn
405 410 415

His Ile Ala Pro His Ala Arg Asn Gly Leu Ser Leu Lys Glu Glu His
420 425 430

Arg Ala Tyr Asp Leu Leu Arg Ala Ala Ser Glu Asn Ser Gln Asp Ala
435 440 445

Leu Arg Val Val Ser Thr Ser Gly Glu Gln Met Lys Val Tyr Lys Cys
450 455 460

Glu His Cys Arg Val Leu Phe Leu Asp His Val Met Tyr Thr Ile His
465 470 475 480

Met Gly Cys His Gly Phe Arg Asp Pro Phe Glu Cys Asn Met Cys Gly
485 490 495

Tyr His Ser Gln Asp Arg Tyr Glu Phe Ser Ser His Ile Thr Arg Gly
500 505 510

Glu His Arg Phe His Met Ser
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<210> 4
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer to
amplify SNP - 243

<400> 4
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<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer to
amplify SNP - 243

<400> 5
ggtgtcacgc aggaacagaa

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<210> 6
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<212> DNA
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<220>
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<400> 6
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23

<210> 7
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<210> 8
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<400> 8
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17

<210> 9
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<210> 10
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<210> 11
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<213> Artificial Sequence

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<213> Artificial Sequence

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21

<210> 13
<211> 17
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amplify SNP - 2004

<400> 13
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17

<210> 14
<211> 18
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer to
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<400> 14

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18

<210> 15

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer to
amplify SNP - 2004

<400> 15

tgagtttcg accacccggg ctc

23